

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Operator Northwest Production Corp. Lease "C" Well No. 7-29
Unit 6 Sec. 29 Twp. 26N Rge. 4W Pay Zone: From 3748 To 3786
Casing: OD 5 1/2 WT. 15.5 Set At 3833 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 3757
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 0.673 Estimated _____
Date of Flow Test: From 4-21-58 To 4-29-58 * Date S.I.P. Measured 11-28-57
Meter Run Size 4.022 Orifice Size 0.750 Type Chart L-10 Type Taps F1.

Flowing casing pressure (Dwt) _____	psig + 12 = _____	psia	(a)
Flowing tubing pressure (Dwt) _____	psig + 12 = _____	psia	(b)
Flowing meter pressure (Dwt) _____	psig + 12 = _____	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:			
Normal chart reading _____	psig + 12 = _____	psia	(d)
Square root chart reading (_____) ² x spring constant _____	= _____	psia	(d)
Meter error (c) - (d) or (d) - (c) _____	± _____	psi	(e)
Friction loss, Flowing column to meter:			
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____	= _____	psi	(f)
Seven day average static meter pressure (from meter chart):			
Normal chart average reading 549 _____	psig + 12 = 561 _____	psia	(g)
Square root chart average reading (_____) ² x sp. const. _____	= _____	psia	(g)
Corrected seven day avge. meter press. (p _f) (g) + (e) _____	= _____	psia	(h)
P _t = (h) + (f) _____	= 561 _____	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1026 _____	psig + 12 = 1038 _____	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1026 _____	psig + 12 = 1038 _____	psia	(k)
P _c = (j) or (k) whichever well flowed through _____	= 1038 _____	psia	(l)
Flowing Temp. (Meter Run) 63 _____ °F + 460 _____	= 523 _____	° Abs	(m)
P _d = ½ P _c = ½ (l) _____	= 519 _____	psia	(n)

$$Q = \text{_____} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}} = \text{_____} = \text{_____}} \right)^* = \text{_____} \text{ MCF/day}$$

$$D = Q \frac{189}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{808,083}{759,086} \right]^n} \frac{1.0549}{(1.065)^N} = \frac{199}{\text{MCF/da.}}$$

Company Northwest Production Corp.
By M.B. Jones M. B. JONES
Title Asst Mgr, Prod Gr
Witnessed by _____
Company _____

- REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_C Q)^2$	$\frac{(F_C Q)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2528	0.168	21.650	3637	314,721	318,358	564.2

Fe = 24.62



